

Edge AI Software - Company Evaluation Report, 2025

<https://marketpublishers.com/r/E20351A193F4EN.html>

Date: July 2025

Pages: 153

Price: US\$ 2,650.00 (Single User License)

ID: E20351A193F4EN

Abstracts

The Edge AI Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Edge AI. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and emerging trends shaping the industry. MarketsandMarkets 360 Quadrants evaluated over 100 companies, of which the Top 18 Edge AI Companies were categorized and recognized as quadrant leaders.

Edge AI software facilitates the aggregation, processing, computation, and analysis of data directly on or near edge devices by harnessing Artificial Intelligence (AI) and Internet of Things (IoT) technologies. This software enables data processing on edge nodes, even within remote and decentralized networks, eliminating the need for constant cloud connectivity. By integrating AI with IoT at the edge, organizations can minimize latency, reduce bandwidth usage, mitigate security threats, prevent data duplication, enhance system reliability, and ensure regulatory compliance.

The complexity of edge AI software grows as Machine Learning (ML) capabilities shift from the cloud to the edge. Unlike the cloud, which can depend on APIs, edge AI requires robust IoT functionalities to manage physical edge devices that must connect to the cloud in an edge-to-cloud architecture. As a result, edge AI software typically involves a cloud component to orchestrate the edge layer, which comprises numerous edge clients connecting back to the cloud. Maintaining this edge-to-cloud connection is crucial not only for managing large numbers of endpoints but also for deploying updates and security patches effectively.

The 360 Quadrant maps the Edge AI companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the Edge AI quadrant. The top criteria for product footprint evaluation included.

Key Players

Key players in the Edge AI market include major global corporations and specialized innovators such as Microsoft, Ibm, Google, Aws, Nutanix, Synaptics, Gorilla Technologies, Infineon Technologies, Intel, Veea, Intent Hq, Baidu, Nvidia, Alibaba Cloud, Bosch Global Software Technologies, Azion, Blaize, and Johnson Controls. These companies are actively investing in research and development, forming strategic partnerships, and engaging in collaborative initiatives to drive innovation, expand their global footprint, and maintain a competitive edge in this rapidly evolving market.

Top 3 Companies

Microsoft

Microsoft holds a prominent position in the edge AI software market through its Azure IoT Edge solution. Known for its integration of Azure Machine Learning and AI capabilities, Microsoft seamlessly integrates edge solutions into existing enterprise systems. This enables scalability and advanced analytics for real-time decision-making. Microsoft's focus spans across sectors like manufacturing, retail, and healthcare, emphasizing predictive maintenance and supply chain optimization. Committed to security and hybrid cloud infrastructure, Microsoft leverages its extensive cloud ecosystem to strengthen its market share, supported by strategic acquisitions such as Nuance Communications.

Google

Google has made substantial inroads in the edge AI market with its Google Cloud AI and Edge TPU offerings. By integrating tools like Vertex AI, Google aids in building and deploying machine learning models efficiently at the edge. Its emphasis on AI innovation and deep learning expertise enhances applications in computer vision and natural language processing. Google's commitment to sustainability ensures its edge AI hardware is energy-efficient, positioning it well across industries such as retail, healthcare, and transportation.

AWS

AWS leads with solutions like AWS IoT Greengrass and Amazon SageMaker Edge Manager, enabling robust deployment and management of AI models at the edge. Leveraging an extensive cloud infrastructure, AWS supports low latency computing crucial for smart devices across diverse sectors including smart homes, retail, and logistics. Its focus on scalability and cost-efficiency, alongside real-time analytics,

makes AWS a preferred provider for enterprises seeking comprehensive edge AI solutions.

Contents

1 INTRODUCTION

- 1.1 MARKET DEFINITION AND SCOPE
- 1.2 INCLUSIONS AND EXCLUSIONS
- 1.3 STAKEHOLDERS

2 EXECUTIVE SUMMARY

3 MARKET OVERVIEW AND INDUSTRY TRENDS

3.1 INTRODUCTION

3.2 MARKET DYNAMICS

3.2.1 DRIVERS

- 3.2.1.1 Federated learning gaining traction in decentralized AI model training
- 3.2.1.2 Exponential growth of data volume and network traffic
- 3.2.1.3 Rising use of IoT applications
- 3.2.1.4 Increasing adoption of 5G network technology

3.2.2 RESTRAINTS

- 3.2.2.1 Bandwidth limitations resulting from need for continuous data transfer
- 3.2.2.2 Scalability issues in managing AI workloads across distributed edge nodes

3.2.3 OPPORTUNITIES

- 3.2.3.1 Growing deployment of TinyML
- 3.2.3.2 Rising demand for autonomous and connected vehicles
- 3.2.3.3 Emergence of transformative applications in various fields

3.2.4 CHALLENGES

- 3.2.4.1 Need for optimization of edge AI standards
- 3.2.4.2 Complexity of integrating diverse systems
- 3.2.4.3 Lack of hardware standards

3.3 SUPPLY CHAIN ANALYSIS

3.4 ECOSYSTEM ANALYSIS

3.4.1 SOFTWARE PROVIDERS BY TYPE

3.4.2 SOFTWARE PROVIDERS BY DATA MODALITY

3.4.3 SOFTWARE PROVIDERS BY DEPLOYMENT MODE

3.4.4 TECHNOLOGY USED BY PROVIDERS

3.4.5 END USER

3.5 TECHNOLOGY ANALYSIS

3.5.1 KEY TECHNOLOGIES

- 3.5.1.1 Edge computing
- 3.5.1.2 TinyML
- 3.5.1.3 Federated learning
- 3.5.2 COMPLEMENTARY TECHNOLOGIES
 - 3.5.2.1 5G network
 - 3.5.2.2 Cloud computing
 - 3.5.2.3 Internet of Things (IoT)
- 3.5.3 ADJACENT TECHNOLOGIES
 - 3.5.3.1 Big data analytics
 - 3.5.3.2 Digital twins
 - 3.5.3.3 Blockchain
- 3.6 PATENT ANALYSIS
 - 3.6.1 METHODOLOGY
 - 3.6.2 PATENTS FILED, BY DOCUMENT TYPE
 - 3.6.3 INNOVATIONS AND PATENT APPLICATIONS
- 3.7 KEY CONFERENCES AND EVENTS, 2025–2026
- 3.8 PORTER'S FIVE FORCES ANALYSIS
 - 3.8.1 THREAT OF NEW ENTRANTS
 - 3.8.2 THREAT OF SUBSTITUTES
 - 3.8.3 BARGAINING POWER OF SUPPLIERS
 - 3.8.4 BARGAINING POWER OF BUYERS
 - 3.8.5 INTENSITY OF COMPETITIVE RIVALRY
- 3.9 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS
 - 3.9.1 KEY TRENDS/DISRUPTIONS IMPACTING BUSINESS MODELS

4 COMPETITIVE LANDSCAPE

- 4.1 OVERVIEW
- 4.2 KEY PLAYERS STRATEGIES/RIGHT TO WIN, 2022–2025
- 4.3 REVENUE ANALYSIS, 2020–2024
- 4.4 MARKET SHARE ANALYSIS, 2024
 - 4.4.1 MARKET RANKING ANALYSIS
- 4.5 BRAND/PRODUCT COMPARISON
 - 4.5.1 BRAND/PRODUCT COMPARISON, BY OFFERING
 - 4.5.2 BRAND/PRODUCT COMPARISON, BY DATA MODALITY
- 4.6 COMPANY VALUATION AND FINANCIAL METRICS OF KEY VENDORS
- 4.7 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2024
 - 4.7.1 STARS
 - 4.7.2 EMERGING LEADERS

- 4.7.3 PERVASIVE PLAYERS
- 4.7.4 PARTICIPANTS
- 4.7.5 COMPANY FOOTPRINT: KEY PLAYERS, 2024
 - 4.7.5.1 Company footprint
 - 4.7.5.2 Region footprint
 - 4.7.5.3 Offering footprint
 - 4.7.5.4 Technology footprint
 - 4.7.5.5 End user footprint
- 4.8 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2024
 - 4.8.1 PROGRESSIVE COMPANIES
 - 4.8.2 RESPONSIVE COMPANIES
 - 4.8.3 DYNAMIC COMPANIES
 - 4.8.4 STARTING BLOCKS
 - 4.8.5 COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2024
 - 4.8.5.1 Detailed list of key startups/SMEs
 - 4.8.5.2 Competitive benchmarking of key startups/SMEs
- 4.9 COMPETITIVE SCENARIO AND TRENDS
 - 4.9.1 PRODUCT LAUNCHES AND ENHANCEMENTS
 - 4.9.2 DEALS

5 COMPANY PROFILES

- 5.1 INTRODUCTION
 - 5.1.1 MICROSOFT
 - 5.1.1.1 Business overview
 - 5.1.1.2 Products offered
 - 5.1.1.3 Recent developments
 - 5.1.1.3.1 Product launches and enhancements
 - 5.1.1.3.2 Deals
 - 5.1.1.4 MnM view
 - 5.1.1.4.1 Right to win
 - 5.1.1.4.2 Strategic choices
 - 5.1.1.4.3 Weaknesses and competitive threats
 - 5.1.2 GOOGLE
 - 5.1.2.1 Business overview
 - 5.1.2.2 Products offered
 - 5.1.2.3 Recent developments
 - 5.1.2.3.1 Product launches and enhancements
 - 5.1.2.3.2 Deals

- 5.1.2.4 MnM view
 - 5.1.2.4.1 Right to win
 - 5.1.2.4.2 Strategic choices
 - 5.1.2.4.3 Weaknesses and competitive threats
- 5.1.3 AWS
 - 5.1.3.1 Business overview
 - 5.1.3.2 Products offered
 - 5.1.3.3 Recent developments
 - 5.1.3.3.1 Product launches and enhancements
 - 5.1.3.3.2 Deals
 - 5.1.3.4 MnM view
 - 5.1.3.4.1 Right to win
 - 5.1.3.4.2 Strategic choices
 - 5.1.3.4.3 Weaknesses and competitive threats
- 5.1.4 IBM
 - 5.1.4.1 Business overview
 - 5.1.4.2 Products offered
 - 5.1.4.3 Recent developments
 - 5.1.4.3.1 Product launches and enhancements
 - 5.1.4.3.2 Deals
 - 5.1.4.4 MnM view
 - 5.1.4.4.1 Right to win
 - 5.1.4.4.2 Strategic choices
 - 5.1.4.4.3 Weaknesses and competitive threats
- 5.1.5 NUTANIX
 - 5.1.5.1 Business overview
 - 5.1.5.2 Products offered
 - 5.1.5.3 Recent developments
 - 5.1.5.3.1 Product launches and enhancements
 - 5.1.5.3.2 Deals
- 5.1.6 HPE
 - 5.1.6.1 Business overview
 - 5.1.6.2 Products offered
 - 5.1.6.3 Recent developments
 - 5.1.6.3.1 Deals
- 5.1.7 INFINEON TECHNOLOGIES
 - 5.1.7.1 Business overview
 - 5.1.7.2 Products offered
 - 5.1.7.3 Recent developments

5.1.7.3.1 Product launches and enhancements

5.1.7.3.2 Deals

5.1.8 INTEL

5.1.8.1 Business overview

5.1.8.2 Products offered

5.1.8.3 Recent developments

5.1.8.3.1 Product launches and enhancements

5.1.8.3.2 Deals

5.1.9 SYNAPTICS

5.1.9.1 Business overview

5.1.9.2 Products offered

5.1.9.3 Recent developments

5.1.9.3.1 Product launches and enhancements

5.1.9.3.2 Deals

5.1.10 NVIDIA

5.1.11 BAIDU

5.1.12 ALIBABA CLOUD

5.1.13 COGNEX

5.1.14 JOHNSON CONTROLS

5.1.15 SIEMENS

5.1.16 BOSCH GLOBAL SOFTWARE TECHNOLOGIES

5.1.17 TREDENCE

5.1.18 HORIZON ROBOTICS

5.2 OTHER PLAYERS

5.2.1 AXELERA AI

5.2.1.1 Business overview

5.2.1.2 Products offered

5.2.1.3 Recent developments

5.2.1.3.1 Product launches and enhancements

5.2.1.3.2 Deals

5.2.2 EDGE IMPULSE (QUALCOMM)

5.2.2.1 Business overview

5.2.2.2 Products offered

5.2.2.3 Recent developments

5.2.2.3.1 Deals

5.2.3 LATENT AI

5.2.3.1 Business overview

5.2.3.2 Products offered

5.2.3.3 Recent developments

- 5.2.3.3.1 Product launches and enhancements
- 5.2.3.3.2 Deals
- 5.2.4 VEEA
 - 5.2.4.1 Business overview
 - 5.2.4.2 Products offered
 - 5.2.4.3 Recent developments
 - 5.2.4.3.1 Deals
- 5.2.5 GORILLA TECHNOLOGIES
 - 5.2.5.1 Business overview
 - 5.2.5.2 Products offered
 - 5.2.5.3 Recent developments
 - 5.2.5.3.1 Deals
- 5.2.6 AZION
- 5.2.7 CLEARBLADE
- 5.2.8 ROBOFLOW
- 5.2.9 STRIVEWORKS
- 5.2.10 INTENT HQ
- 5.2.11 ADVIAN
- 5.2.12 INVISION AI
- 5.2.13 KNERON
- 5.2.14 SPECTRO CLOUD
- 5.2.15 MIDOKURA
- 5.2.16 BARBARA
- 5.2.17 EKKONO
- 5.2.18 BLAIZE
- 5.2.19 XENONSTACK
- 5.2.20 TERAHI
- 5.2.21 AKIRA AI

6 APPENDIX

- 6.1 RESEARCH METHODOLOGY
 - 6.1.1 RESEARCH DATA
 - 6.1.1.1 Secondary data
 - 6.1.1.2 Primary data
 - 6.1.2 RESEARCH ASSUMPTIONS
 - 6.1.3 RESEARCH LIMITATIONS
- 6.2 COMPANY EVALUATION MATRIX: METHODOLOGY
- 6.3 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 EDGE AI SOFTWARE MARKET SIZE AND GROWTH RATE, 2020–2024
(USD MILLION, Y-O-Y %)

TABLE 2 EDGE AI SOFTWARE MARKET SIZE AND GROWTH RATE, 2025–2031
(USD MILLION, Y-O-Y %)

TABLE 3 ROLE OF KEY PLAYERS IN EDGE AI SOFTWARE MARKET

TABLE 4 EDGE AI SOFTWARE MARKET: PATENTS FILED, 2016–2025

TABLE 5 EDGE AI SOFTWARE-RELATED PATENTS, 2024–2025

TABLE 6 EDGE AI SOFTWARE MARKET: KEY CONFERENCES & EVENTS,
2025–2026

TABLE 7 OVERVIEW OF STRATEGIES ADOPTED BY KEY EDGE AI SOFTWARE
VENDORS, 2022–2025

TABLE 8 EDGE AI SOFTWARE MARKET: DEGREE OF COMPETITION

TABLE 9 EDGE AI SOFTWARE MARKET: REGION FOOTPRINT

TABLE 10 EDGE AI SOFTWARE MARKET: OFFERING FOOTPRINT

TABLE 11 EDGE AI SOFTWARE MARKET: TECHNOLOGY FOOTPRINT

TABLE 12 EDGE AI SOFTWARE MARKET: END USER FOOTPRINT

TABLE 13 EDGE AI SOFTWARE MARKET: KEY STARTUPS/SMES

TABLE 14 EDGE AI SOFTWARE MARKET: COMPETITIVE BENCHMARKING OF
STARTUPS/SMES

TABLE 15 EDGE AI SOFTWARE MARKET: PRODUCT LAUNCHES AND
ENHANCEMENTS, JANUARY 2022–APRIL 2025

TABLE 16 EDGE AI SOFTWARE MARKET: DEALS, JANUARY 2022–APRIL 2025

TABLE 17 MICROSOFT: COMPANY OVERVIEW

TABLE 18 MICROSOFT: PRODUCTS OFFERED

TABLE 19 MICROSOFT: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 20 MICROSOFT: DEALS

TABLE 21 GOOGLE: COMPANY OVERVIEW

TABLE 22 GOOGLE: PRODUCTS OFFERED

TABLE 23 GOOGLE: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 24 GOOGLE: DEALS

TABLE 25 AWS: COMPANY OVERVIEW

TABLE 26 AWS: PRODUCTS OFFERED

TABLE 27 AWS: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 28 AWS: DEALS

TABLE 29 IBM: COMPANY OVERVIEW

TABLE 30 IBM: PRODUCTS OFFERED

TABLE 31 IBM: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 32 IBM: DEALS

TABLE 33 NUTANIX: COMPANY OVERVIEW

TABLE 34 NUTANIX: PRODUCTS OFFERED

TABLE 35 NUTANIX: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 36 NUTANIX: DEALS

TABLE 37 HPE: COMPANY OVERVIEW

TABLE 38 HPE: PRODUCTS OFFERED

TABLE 39 HPE: DEALS

TABLE 40 INFINEON TECHNOLOGIES: COMPANY OVERVIEW

TABLE 41 INFINEON TECHNOLOGIES: PRODUCTS OFFERED

TABLE 42 INFINEON TECHNOLOGIES: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 43 INFINEON TECHNOLOGIES: DEALS

TABLE 44 INTEL: COMPANY OVERVIEW

TABLE 45 INTEL: PRODUCTS

TABLE 46 INTEL: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 47 INTEL: DEALS

TABLE 48 SYNAPTICS: COMPANY OVERVIEW

TABLE 49 SYNAPTICS: PRODUCTS OFFERED

TABLE 50 SYNAPTICS: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 51 SYNAPTICS: DEALS

TABLE 52 AXELERA AI: COMPANY OVERVIEW

TABLE 53 AXELERA AI: PRODUCTS OFFERED

TABLE 54 AXELERA AI: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 55 AXELERA AI: DEALS

TABLE 56 EDGE IMPULSE (QUALCOMM): COMPANY OVERVIEW

TABLE 57 EDGE IMPULSE (QUALCOMM): PRODUCTS OFFERED

TABLE 58 EDGE IMPULSE (QUALCOMM): DEALS

TABLE 59 LATENT AI: COMPANY OVERVIEW

TABLE 60 LATENT AI: PRODUCTS OFFERED

TABLE 61 LATENT AI: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 62 LATENT AI: DEALS

TABLE 63 VEEA: COMPANY OVERVIEW

TABLE 64 VEEA: PRODUCTS OFFERED

TABLE 65 VEEA: DEALS

TABLE 66 GORILLA TECHNOLOGIES: COMPANY OVERVIEW

TABLE 67 GORILLA TECHNOLOGIES: PRODUCTS OFFERED

TABLE 68 GORILLA TECHNOLOGIES: DEALS

List Of Figures

LIST OF FIGURES

FIGURE 1 SOFTWARE SEGMENT TO LEAD MARKET IN 2025

FIGURE 2 PLATFORMS SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE IN 2025

FIGURE 3 CLOUD SEGMENT TO DOMINATE MARKET IN 2025

FIGURE 4 PROFESSIONAL SERVICES SEGMENT TO ACCOUNT FOR LARGER MARKET SHARE IN 2025

FIGURE 5 CONSULTING & TRAINING SEGMENT TO LEAD PROFESSIONAL SERVICES MARKET IN 2025

FIGURE 6 VISUAL DATA SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE IN 2025

FIGURE 7 MACHINE LEARNING SEGMENT TO LEAD MARKET IN 2025

FIGURE 8 AUTOMOTIVE SEGMENT TO GROW AT HIGHEST RATE DURING FORECAST PERIOD

FIGURE 9 EDGE AI SOFTWARE MARKET IN ASIA PACIFIC TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 10 EDGE AI SOFTWARE MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

FIGURE 11 EDGE AI SOFTWARE MARKET: SUPPLY CHAIN ANALYSIS

FIGURE 12 EDGE AI SOFTWARE MARKET: KEY PLAYERS IN ECOSYSTEM

FIGURE 13 EDGE AI SOFTWARE MARKET: NUMBER OF PATENTS APPLIED AND GRANTED, 2015–2025

FIGURE 14 REGIONAL ANALYSIS OF EDGE AI SOFTWARE-RELATED PATENTS GRANTED, 2016–2025

FIGURE 15 EDGE AI SOFTWARE MARKET: PORTER'S FIVE FORCES ANALYSIS

FIGURE 16 EDGE AI SOFTWARE MARKET: TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

FIGURE 17 EDGE AI SOFTWARE MARKET: REVENUE ANALYSIS OF FIVE KEY PLAYERS, 2020–2024

FIGURE 18 SHARE OF LEADING COMPANIES IN EDGE AI SOFTWARE MARKET, 2024

FIGURE 19 EDGE AI SOFTWARE MARKET: BRAND/PRODUCT COMPARISON, BY OFFERING

FIGURE 20 EDGE AI SOFTWARE MARKET: BRAND/PRODUCT COMPARISON, BY DATA MODALITY

FIGURE 21 EDGE AI SOFTWARE MARKET: COMPANY VALUATION AND

FINANCIAL METRICS OF KEY VENDORS**FIGURE 22 EDGE AI SOFTWARE MARKET: YEAR-TO-DATE (YTD) PRICE TOTAL RETURN AND FIVE-YEAR STOCK BETA OF KEY VENDORS****FIGURE 23 EDGE AI SOFTWARE MARKET: COMPANY EVALUATION MATRIX (KEY PLAYERS), 2024****FIGURE 24 EDGE AI SOFTWARE MARKET: COMPANY FOOTPRINT****FIGURE 25 EDGE AI SOFTWARE MARKET: COMPANY EVALUATION MATRIX (STARTUPS/SMES), 2024****FIGURE 26 MICROSOFT: COMPANY SNAPSHOT****FIGURE 27 GOOGLE: COMPANY SNAPSHOT****FIGURE 28 AWS: COMPANY SNAPSHOT****FIGURE 29 IBM: COMPANY SNAPSHOT****FIGURE 30 NUTANIX: COMPANY SNAPSHOT****FIGURE 31 HPE: COMPANY SNAPSHOT****FIGURE 32 INFINEON TECHNOLOGIES: COMPANY SNAPSHOT****FIGURE 33 INTEL: COMPANY SNAPSHOT****FIGURE 34 SYNAPTICS: COMPANY SNAPSHOT****FIGURE 35 GORILLA TECHNOLOGIES: COMPANY SNAPSHOT****FIGURE 36 EDGE AI SOFTWARE MARKET: RESEARCH DESIGN**

I would like to order

Product name: Edge AI Software - Company Evaluation Report, 2025

Product link: <https://marketpublishers.com/r/E20351A193F4EN.html>

Price: US\$ 2,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/E20351A193F4EN.html>